DEC STD 114-0 Engineering Drawing Requirements - Industry Standards Adopted by Digital Engineering and Manufacturing Documentation Organizations

DOCUMENT IDENTIFIER: A-DS-EL00114-00-0000 Rev B1, 11-Jun-1990

ABSTRACT: This standard lists the industry standards that are part of Digital's drawing requirements for engineering drawings.

APPLICABILITY: Mandatory for all engineering and manufacturing organizations that prepare and use engineering drawings.

STATUS: APPROVED 11-Jun-1990; use VTX SMC for current status.

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REVISION HISTORY:	Rev A,	07-Oct-1982	ECO Number MLO01
	Rev B,	23-Feb-1989	ECO Number CTS02
	Rev B1,	11-Jun-1990	ECO Number CTS03

Document Management Category:	Engineering Design/Documentation Methods (HPD)
Responsible Department:	Engineering Support Operations
Responsible Person:	Phil Reed
SMC Writer:	Carol Keating

APPROVAL: This document has been reviewed and recommended for approval by the General Review Group for its category.

Phil Reed - Standard Owner

Eric Williams - Standards Process Manager

Direct requests for further information to:

Phil Reed
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1 INTRODUCTION

It is Digital's Engineering Support policy to adopt and use existing industry standards as the basis for engineering drawing practices, and to document any exceptions or variations from those industry standards in applicable Digital standards.

1.1 PURPOSE

This section lists the industry standards adopted for use as Digital's drawing requirements for engineering drawings. It is provided to insure consistent application and implementation among the Digital engineering and manufacturing organizations that prepare and use engineering drawings.

1.2 SCOPE

This section identifies the specific version of each industry standard that is acceptable for use as Digital's engineering drawing practice. When a revised industry standard is released, it must be compared with the listed version and re-affirmed as an acceptable Digital engineering drawing practice.

This section does not list all industry standards that have been adopted for use by Digital; only those that pertain to engineering drawing practices. Industry standards that relate specifically to dimensioning and tolerancing practices are listed in Section 1.

DEC STD 187-0 Mechanical Fabrication Workmanship Standards, lists other industry standards, related to mechanical workmanship, that have been adopted for use by Digital.

1.3 RESPONSIBILITIES

Representatives of engineering and manufacturing organizations involved in design and documentation are responsible for reviewing subsequent revisions of the industry standards listed in this section to verify that each industry standard is still appropriate for use by Digital.

If, after reviewing a revised industry standard, substantial changes appear to render that industry standard inappropriate for Digital's use, the knowledgeable representative is responsible for initiating an update to this section.

1.3.1 Responsible Project Engineers

Project engineers are responsible for ensuring that the internal and external support organizations meet the requirements of this standard.

2 INDUSTRY STANDARDS

The industry standards adopted by Digital that pertain to engineering drawing practices are listed in Table 1. These standards are included as part of the Drafting Manual, Volume 2.

Table 1: Industry Standards Adopted By Digital For Engineering Drawing Requirements

Organization	Number	Title
ANSI	Y14.3-1975	Multi and Sectional View Drawings
ANSI	Y14.4-1957	Pictorial Drawings
ANSI	Y14.5M-1982	Dimensioning and Tolerancing
ANSI	Y14.6-1978	Screw Thread Representation
ANSI	Y14.6aM-1981	Screw Thread Representation (Metric Supplement)
ANSI	Y14.7.1-1971	Spur, Helical, Double Helical, and Rack Gears
ANSI	Y14.7.2-1978	Bevel and Hypoid Gears
ANSI	Y14.9-1958	Forgings
ANSI/AWS	A2.4-86	Symbols for Welding and Non-Destructive Testing, Including Brazing
American Die Casting Institute		Product Standard for Die Casting
Aluminum Association of America 11th Ed 1986		Standards for Aluminum, Sand, and Permanent Mold Castings

APPENDIX A REFERENCED DOCUMENTS

A.1 EL-Class Digital Documents

EL-Class Number	Document Title
EL-00187-00	*DEC STD 187-0 Mechanical Fabrication Workmanship Standards*
EL-SM114-02	*Mechanical Design Standards and Related Documents - Volume 2*

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A.2 Ordering Information

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